

PTO/SB/08A (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/089,025
		Filing Date	06/21/2002
		First Named Inventor	Hooley
		Art Unit	2644
		Examiner Name	Grier, Laura A
Sheet 1 of 7	Attorney Docket Number	KEM1.N.80540B (was 017-002)	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JK		US- 3,992,586	11-16-1976	Jaffe, Christopher	
JK		US- 3,996,561	12-07-1976	Kowal et al.	
JK		US- 4,330,691	05-18-1982	Gordon, Theodore	
JK		US- 4,515,997	05-07-1985	Stinger, Jr., Walter E.	
JK		US- 4,769,848	09-06-1988	Eberback, Steven J.	
JK		US- 4,773,096	09-20-1988	Kim, Larry J.	
JK		US- 5,051,799	09-24-1991	Paul et al.	
JK		US- 4,984,273	01-08-1991	Aylward et al.	
JK		US- 5,227,591	07-13-1993	Tarkkonen, Timo	
JK		US- 5,287,531	02-15-1994	Rogers, Jr. et al.	
JK		US- 5,233,664	08-03-1993	Yanagawa et al.	
JK		US- 5,313,300	05-17-1994	Rabile, Robert J.	
JK		US- 5,313,172	05-17-1994	Vagher, Michael R.	
JK		US- 5,751,821	05-12-1998	Smith, David L.	
JK		US- 5,832,097	11-03-1998	Armstrong et al.	
JK		US- 6,373,955 B1	04-16-2002	Hooley, Anthony	
JK		US- 6,169,806 B1	01-02-2001	Kimura et al.	
JK		US- 5,963,432	10-05-1999	Crowley, Christopher Thomas	
JK		US- 5,885,129	03-23-1999	Norris, Elwood G.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
JK		DE 40 33 068 A1	04-25-1991	Goerike, Rudolf, Dr.		
JK		DE 44 28 500 A1	03-30-1995	Bartelt et al.		
JK		DE 43 43 807 A1	06-29-1995	Nubert, Guenther		
JK		EP 0 323 110 A2	07-05-1989	Nishida et al.		✓
JK		EP 0 351 055 A1	01-17-1990	Tanaka et al.		✓
JK		EP 1 026 663 A2	08-09-2000	Wildes, Douglas Glenn		✓

Examiner Signature		Date Considered	1/31/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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Sheet	2	of	7
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Application Number	10/089,025
Filing Date	06/21/2002
First Named Inventor	Hooley
Art Unit	2644
Examiner Name	Grier, Laura A
Attorney Docket Number	KEM1.N.80540B (was 017-002)

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^d
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
JK		FR 2,628,335	09-15-1989	Metzger		
JK		GB 2,209,229 A	05-04-1989	Tasco Limited		✓
JK		GB 2,320,351 A	06-17-1989	Ryford Limited		✓
JK		JP 61-057198	08-28-1984	Matsushita Electric Ind		✓
JK		JP 59-186498	10-23-1984	Nippon Columbia Co Ltd		✓
JK		JP 63-009300	01-14-1988	Matsushita Electric Ind		✓

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Date
Considered

1/31/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 7

U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^o
		Country Code ² Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
JK		JP 61-253996	11-11-1986	Matsushita Electric Ind		✓
JK		JP 63-234699	09-29-1988	Matsushita Electric Ind		✓
JK		JP 63-269699	11-07-1988	Pioneer Electronic Corp		✓
JK		JP 63-300699	12-07-1988	Pioneer Electronic Corp		✓
JK		JP 02-239798	09-21-1990	Toa Electric Co Ltd		✓
JK		JP 03-159400	07-09-1991	Mitsubishi Heavy Ind Ltd		✓

Examiner Signature	<i>[Signature]</i>	Date Considered	1/31/06
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Sheet 4 of 4**Complete if Known**


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		Country Code ³ Number ⁴ Kind Code ⁵ (# known)				
JK		JP 03-159500	07-09-1991	Nippon Hoso Kyokai		✓
JK		JP 04-127700	04-28-1992	Matsushita Electric Ind		✓
JK		JP 64-061601	03-08-1989	Tsubosaka Denki Kk		✓
JK		JP 04-313996	11-05-1992	Mitsubishi Electric Corp		✓
JK		JP 05-041897	02-19-1993	Pioneer Electron Corp		✓
JK		JP 05-091596	09-30-1991	Nippon Hoso Kyokai		✓

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Sheet	5	of	7
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JK		JP 05-199598	08-06-1993	Matsushita Electric Ind		✓
JK		JP 05-344584	12-24-1993	Matsushita Electric Inc		✓
JK		JP 06-062488	03-04-1994	Pioneer Electron Corp		✓
JK		JP 06-205496	07-22-1994	Pioneer Electron Corp		✓
JK		JP 06-225379	08-12-1994	Matsushita Electric Ind		✓

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Sheet	6	of	7
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Application Number	10/089,025
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
JK		JP 07-154893	06-16-1995	Nippon Hosokyo		✓
JK		JP 07-203581	08-04-1995	Matsushita Electric Ind		✓
JK		JP 06-334459	12-02-1994	Yamaha Corp		✓
JK		JP 07-007788	01-10-1995	Ford Motor Co		✓
JK		JP 11-046400	02-16-1999	Yamaha Corp		✓
JK		JP 09-200439	07-31-1997	Canon Inc		✓

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		Application Number	10/089,025
		Filing Date	June 21, 2002
		First Named Inventor	Hooley
		Art Unit	2837
		Examiner Name	NAPPI, R.
Sheet 1 of 1	Attorney Docket	ONE1.002 (was O17-002)	

FOREIGN PATENT DOCUMENTS					RECEIVED
Examiner's Initials	Cite No.	FOREIGN PATENT DOCUMENT Country Code, Number, Kind Code (if known)	PUBLICATION DATE	NAME OF PATENTEE or APPLICANT OF CITED DOCUMENT	NOV 19 2003
JK	A	JP 59-179743	03/1986	Matsushita Electric Ind Co. Technology Center	X
JK	B	JP-61-152498	01/1988	Matsushita Electric Ind Co	X
JK	C	JP-62-068410	09/1988	Matsushita Electric Ind Co	X
JK	D	JP-62-103315	11/1988	Pioneer Electronic Corp	X
JK	E	JP-62-133476	12/1988	Pioneer Electronic Corp	X
JK	F	JP-01-061601	09/1980	Toa Electric Co Ltd	X
JK	G	JP-01-298457	07/1991	Mitsubishi Heavy Ind Ltd	X
JK	H	JP-01-297716	07/1991	Nippon Hoso Kyokai	X
JK	I	JP-02-249432	04/1992	Matsushita Electric Ind Co	X
JK	J	JP-03-004842	11/1992	Mitsubishi Electric Corp	X
JK	K	JP-03-197864	02/1993	Pioneer Electron Corp	X
JK	L	JP-03-252315	04/1993	Nippon Hoso Kyokai	X
JK	M	JP-04-008975	08/1993	Matsushita Electric Ind Co	X
JK	N	JP-04-153224	12/1993	Matsushita Electric Ind Co	X
JK	O	JP-04-214144	03/1994	Pioneer Electron Corp	X
JK	P	JP-05-001321	07/1994	Pioneer Electron Corp	X
JK	Q	JP-05-010123	08/1994	Matsushita Electric Ind Co	X
JK	R	JP-05-301465	06/1995	Nippon Hoso Kyoka	X
JK	S	JP-05-349872	08/1995	Matsushita Electric Ind Co	X

Examiner Signature		Date Considered	11/31/06
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Information Disclosure Statement by Applicant

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Examiner Name	NAPPI, R.
Attorney Docket No.	ONE1.002 (was O17-002)

Sheet 1 of 2

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	CITE NO.	PATENT NUMBER								ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE (if appropriate)
JK	A	4	3	0	5	2	9	6		12/1981	Green et al	73	626	
JK	B	4	3	8	8	4	9	3		06/1983	Maisel	179	1 GD	
JK	C	4	4	7	2	8	3	4		09/1984	Yamamuro et al	381	61	
JK	D	4	6	5	3	5	0	5		03/1987	Iinuma	128	660	
JK	E	4	9	7	2	3	8	1		11/1990	Mitchell et al	367	13	
JK	F	4	9	8	0	8	7	1		12/1990	Sieber et al	367	127	
JK	G	5	4	3	8	6	2	4		08/1995	Lewiner et al	381	71	
JK	H	5	5	1	7	2	0	0		05/1996	McAdam et al	342	360	
JK	I	5	7	6	3	7	8	5		06/1998	Chiang	73	609	
JK	J	5	8	4	1	3	9	4		11/1998	Sterns et al	342	174	
JK	K	5	8	6	7	1	2	3		02/1999	Geyh et al	3432	372	
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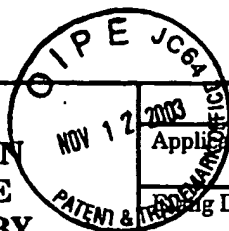
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Sheet 2 of 2

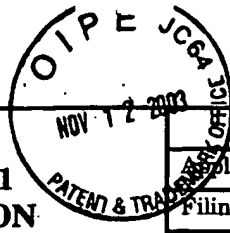
Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation	
							YES	NO
JK	A	0 492 015	07/1992	EPO	G05D	1/02	X	
JK	B	0 642 032	03/1995	EPO	G01S	3/803	X	
JK	C	1 571 714	07/1980	GB	H04R	5/00	X	
JK	D	2 243 040	10/1991	GB	G01S	13/86	X	
JK	E	2 259 364	03/1993	GB	G01S	5/18	X	
JK	F	2 259 426	03/1993	GB	H04R	1/40	X	
JK	G	2 273 848	06/1994	GB	H04R	1/40	X	
JK	H	2 290 380	12/1995	GB	G01S	5/20	X	
JK	I	2 277 152	10/1994	GB	G01S	15/42	X	
JK	J	2 326 559	12/1998	GB	G10K	11/178	X	
JK	K	2 332 052	06/1999	GB	G01S	5/00	X	
JK	L	2 340 351	2/2000	GB	H04B	1/66	X	
JK	M	2 345 967	07/2000	GB	G01S	5/20	X	
JK	N	96/14723	05/1996	WO	H04R	1/40	X	
JK	O	97/32449	09/1997	WO	H04R	1/40	X	
JK	P	99/00780	01/1999	WO	G08C	21/00	X	
	Q							
	R							

Examiner Signature		Date Considered	11/31/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449/PTO 37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT <i>(Use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/089,025
	Filing Date	June 21, 2002
	First Named Inventor	Hooley
	Art Unit	2837
	Examiner Name	NAPPI, R.
Sheet 1 of 3	Attorney Docket No.	ONE1.002

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	CITE NO.	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUB CLASS	DATE (if appropriate)
JK	A	5	8	3	4	6	4	7	10/1998	GAUDERIOT et al	73	570	NOV 19 2003
JK	B	4	1	9	0	7	3	9	02/1980	TORFFIELD	179	1	Technology Center 2600
JK	C	5	1	6	6	9	0	5	11/1992	CURRIE	367	19	
JK	D	5	8	5	9	9	1	5	01/1999	NORRIS	381	75	
JK	E	5	7	4	5	4	3	5	04/1998	FAGE et al	367	13	
JK	F	5	1	3	1	0	5	1	07/1992	KISHINAGA et al	381	82	
JK	G	6	0	8	4	9	7	4	07/2000	NIIMI	381	104	
	H												
	I												
	J												
	K												
	L												
	M												
	N												
	O												
	P												
	Q												
	R												

Examiner Signature		Date Considered	1/31/06
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE CITATION LISTING

(Use as many sheets as necessary)

**Complete if Known**

Application Number 10/089,025

Filing Date June 21, 2002

First Named Inventor Hooley

Art Unit 2837

Examiner Name

Attorney Docket No.

ONE1.002

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NOV 19 2003

Sheet

2

of

3

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner's Initials	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation	
						YES	NO
JK	0412770 (Abstract)	04/1992	Japan	H04S	5/02	X	
JK	02013097 (Abstract)	01/1990	Japan	H04R	3/12	X	
JK	31 42 462	05/1992	Germany	H04R	1/20		X
JK	0 025 118	03/1982	EPO	H04R	5/02	X	X
JK	2 116 929	07/1998	Spain	H04S	7/00		X
JK	96 31086	03/1996	WIPO	H04R	5/04	X	
JK	11030525 (Abstract)	02/1999	Japan	G01C	21/00	X	
JK	11027604 (Abstract)	01/1999	Japan	H04N	5/60	X	
JK	06178379 (Abstract)	06/1994	Japan	H04R	1/34	X	
JK	06318087 (Abstract)	11/1994	Japan	G10K	15/00	X	
JK	0 591 899	04/1994	EPO	H05B	37/02	X	
JK	1 603 201	11/1981	GB	H04R	3/08	X	
JK	05199583	08/1993	Japan	H04R	1/34	X	
JK	SU 1 678 327 (Abstract)	09/1991		A61B	8/00	X	
JK	62076958 (Abstract)	04/1987	Japan	H04M	9/00	X	
JK	63014588	01/1988	Japan	H04N	7/14	X	

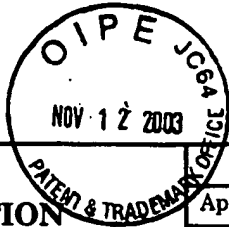
Examiner
Signature

Date

Considered

11/31/06

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE CITATION LISTING (Use as many sheets as necessary)		Application Number	10/089,028
		Filing Date	June 21, 2002
		First Named Inventor	Hooley
		Art Unit	2837 Technology Center 2600
		Examiner Name	NAPPI, R.
Sheet 3 Of 3	Attorney Docket Number	ONE1.002	

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OTHER NON-PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
JK	A	KOMIYAMA, Setsu; "Distance Control of Sound Images for 3D TV"; NHK Laboratories Note, (1992) August; page(s) 1-11; Vol. 406; NHK Technical Research Laboratories; Tokyo.	
JK	B	"Waveform Inversion for Individual Ambient Sound Control"; IBM Technical Disclosure Bulletin; (1993) September; page(s) 537-540; Vol. 36; no. 9A; IBM Corporation; New York.	

Examiner Signature		Date Considered	1/31/06
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Electronic Information Disclosure Statement

#9
J.D.
10-19-02

Method and apparatus to direct sound

Application:



Confirmation:

9464

Applicant(s):

Anthony Hooley

Docket Number:

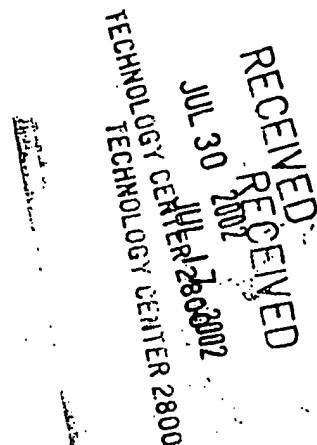
O17-002

Group Art Unit:

Examiner:

search string:

(5233664 or 5953432).pn.



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
JK	P01	5233664	1999-08-03		Yanagawa et al	381	89
JK	P02	5953432	1999-09-14		Yanagawa et al	381	335


Remarks

(Remarks are not for responding to an office action.)

Inclusion of a reference in this Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such, nor that any cited reference discloses anything other than what is shown and stated therein. In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. In accordance with 37 CFR § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as

defined in § 1.56(b). This statement is made by the attorney whose electronic signature is appended hereto, on the basis of the information supplied by the inventors and the information in the attorney's file.

Signature

Examiner Name	Date
	1/31/06